

REMARKS

In accordance with the foregoing, a substitute Title is presented and independent claims 1 and 3-5 are amended. No new matter is presented. Accordingly, approval and entry of the substitute Title and amended claims are respectfully requested.

ITEM 5: REJECTION OF CLAIMS 1-5 FOR ANTICIPATION UNDER 35 U.S.C. §102(e) BY GOTTLIEB (U.S. PATENT 6,298,431)

The rejection is respectfully traversed.

Claims 1-5 are pending and under consideration.

In Gottlieb, individual threads (tasks) are assigned with different registers (i.e., the standard register 30 and shadow register 18 in Fig. 1), and each of the registers is dedicated to a corresponding thread.

In the claimed invention and in contrast to Gottlieb, the hardware resources are used in common by a plurality of tasks, or programs, and are not dedicated to individual tasks as they are in Gottlieb.

Accordingly, the claimed invention successfully reduces the number and size of circuits and also suppresses the amount of data exchange, thereby increasing the speed of task switches.

Accordingly, it is respectfully submitted that the pending claims distinguish patentably over Gottlieb.

CONCLUSION

In accordance with the foregoing, it is submitted that the pending claims distinguish patentably over the art and rejections of record and, there being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

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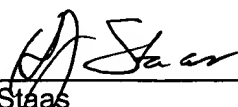
If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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By: _____


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